

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOG FILE ☒ WATER SANDS LOCATION SELECTED SUB REPORT/abd

900702 CONF exp:

DATE FILED JANUARY 28, 1997

LAND: FEE & PATENTED

STATE LEASE NO

PUBLIC LEASE NO

INDIAN #

DRILLING APPROVED: FEBRUARY 12, 1997

14-20-H62-3514

SPUDDED IN: 4/29/97

COMPLETED: 10.3.97 POW PUT TO PRODUCING

INITIAL PRODUCTION: 77 BBL, 15 mcf, 42 bbl

GRAVITY API

GOR

PRODUCING ZONES 4078-4736' ARRV

TOTAL DEPTH: 5756'

WELL ELEVATION:

DATE ABANDONED:

FIELD: ANTELOPE CREEK

UNIT:

COUNTY: DUCHESNE

WELL NO: UTE TRIBAL 19-03

API NO. 43-013-31792

LOCATION: 674 FNL FT. FROM (N) (S) LINE: 2016 FWL

FT. FROM (E) (W) LINE: NE NW

1/4 - 1/4 SEC 19

TWP

RGE

SEC

OPERATOR

TWP

RGE

SEC

OPERATOR

5S

3W

19

PETROGLYPH OPERATING

GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humburg
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
B marker	Dakota	Park City	McCracken
X marker	Burro Canyon	Rico (Goodridge)	Aneth
↓ marker	Cedar Mountain	Supai	Simonson Dolomite
Darker	Buckhorn	Wolfcamp	Sevy Dolomite
B limestone	JURASSIC	CARBON I FEROUS	North Point
Castle Peak	Morrison	Pennsylvanian	SILURIAN
Basal carb	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE-CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	ASSIC		

Petroglyph Operating Co., Inc.
P.O. Box 1839
Hutchinson, KS 67504-1839

January 16, 1997

Utah Division of Oil, Gas, & Mining
Attn: Mr. Frank Matthews, Petroleum Engineer
1594 West North Temple
Box 145801
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL
UTE TRIBAL #19-03
NE/NW SEC. 19, T5S, R3W
DUCHESNE COUNTY, UTAH
LEASE NO. BIA 14-20-H62-3514
UTE TRIBAL LANDS

Dear Mr. Matthews:

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Phone # (801) 789-4120
Fax # (801) 789-1420

Sincerely,



Ed Trotter
Agent

Petroglyph Operating Co., Inc.

Attachments

/EHT/dmt

RECEIVED
JAN 21 1997
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-H62-3514	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE INDIAN TRIBE	
2. NAME OF OPERATOR PETROGLYPH OPERATING COMPANY, INC.		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. BOX 607, ROOSEVELT, UT 84066		8. FARM OR LEASE NAME, WELL NO. UTE TRIBAL	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 674' FNL & 2016' FWL NE/NW At proposed prod. zone		9. AP WELL NO. #19-03	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18.7 MILES SOUTHWEST OF MYTON, UTAH		10. FIELD AND POOL, OR WILDCAT ANTELOPE CREEK	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 674' (Also to nearest drig. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T5S, R3W	
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH DUCHESNE	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE UTAH	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5754'		19. PROPOSED DEPTH 5754'	
20. ROTARY OR CABLE TOOLS ROTARY		21. APPROX. DATE WORK WILL START* JANUARY 1997	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6027.1' GRADED GROUND		22. APPROX. DATE WORK WILL START* JANUARY 1997	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl ₂
7 7/8	5 1/2	15.5#	5754'	+ 1/4 #/sx celloflake.
				50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG +) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

PETROGLYPH OPERATING COMPANY, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND # BO 4556.

pc: Utah Division of Oil, Gas, and Mining
Bureau of Indian Affairs, Fort Duchesne, Utah
Ute Tribe, Fort Duchesne, Utah

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE AGENT FOR PETROGLYPH DATE 1-23-97

(This space for Federal or State office use)

PERMIT NO. 113-013-21742 APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

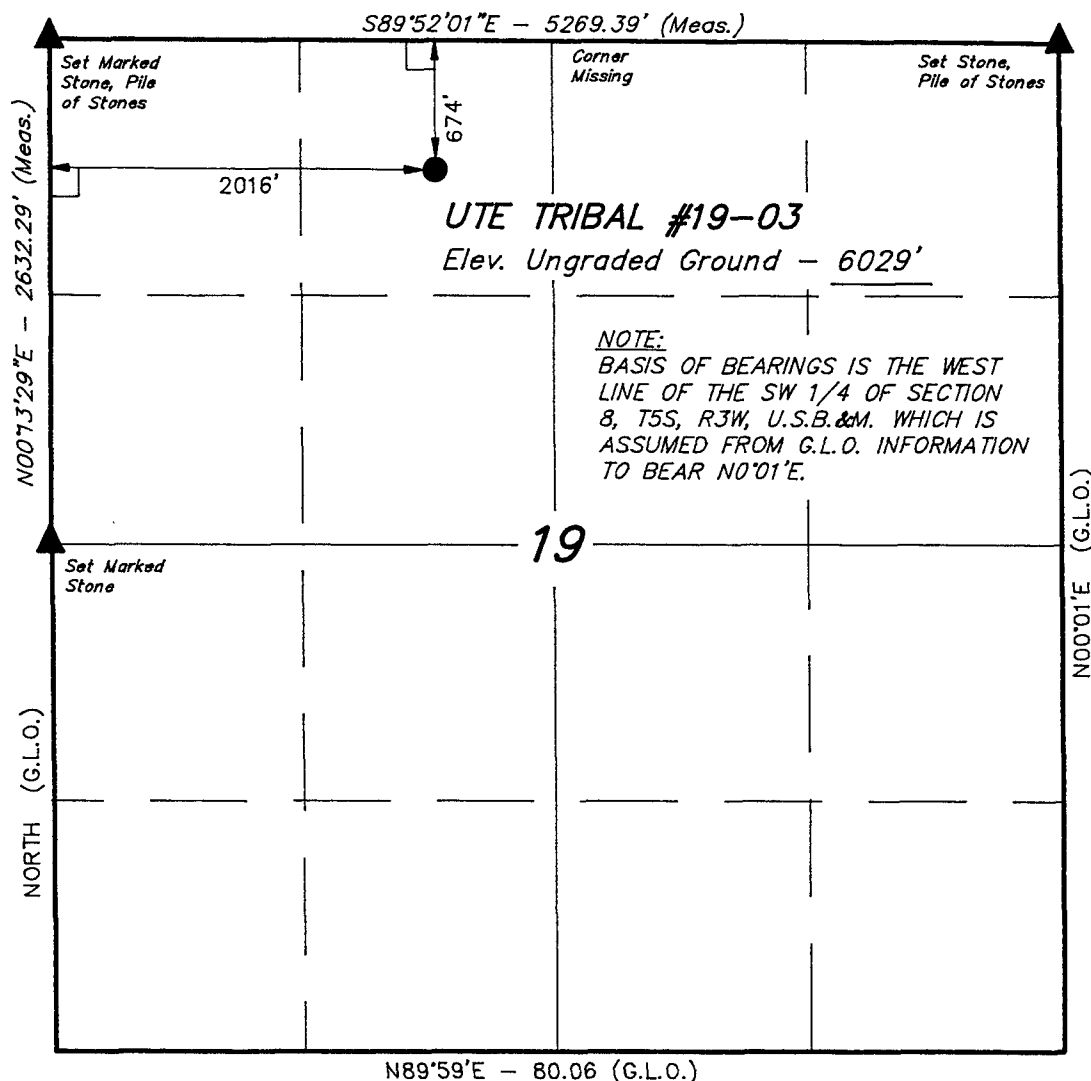
APPROVED BY [Signature] TITLE DATE 2/12/97

*See Instructions On Reverse Side

T5S, R3W, U.S.B.&M.

PETROGLYPH OPERATING CO., INC.

Well Location, UTE TRIBAL #19-03, located as shown in the NE 1/4 NW 1/4 of Section 19, T5S, R3W, U.S.B.&M. Duchesne County, Utah.



LEGEND:

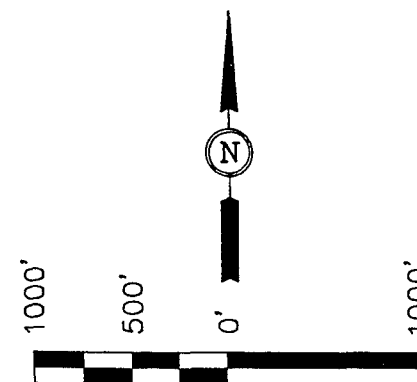
└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 18, T5S, R3W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5943 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Hay

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 11-13-96	DATE DRAWN: 11-20-96
PARTY D.K. K.S. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	

EIGHT POINT PLAN

UTE TRIBAL #19-03
NE/NW SEC. 19, T5S R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2560	3477
'B' marker	3639	2398
'X' marker	4137	1900
Douglas Creek	4270	1767
"B" Limestone	4649	1388
B/Castle Peak Limestone	5231	806
Basal Carbonate Limestone	5644	393
Total Depth	5754	283

Anticipated BHP 2500 psi

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS FORMATIONS:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4270	1767
Oil/Gas	B/Castle Peak	5231	806
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

						<u>MINIMUM SAFETY FACTOR</u>		
<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4	0' - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0' - 5754'	5754'	5 1/2	15.5 #	M-50	3650 PSI	4550 PSI	186,000#

All casing will be new or inspected.

EIGHT POINT PLAN

UTE TRIBAL #19-03
NE/NW SEC. 19, T5S R3W
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

INTERVAL

0' - 250'
250' - 4000'
4000' - TD
TD

MUD TYPE

Air
Air/Mist & Aerated Water
Air/3% KCL water or KCL substitute
Gel/polyacrylamide polymer w/5-10% LCM

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

6. VARIANCE REQUESTS:

- A. Petroglyph Operating Co., Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Operating Co., Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

7. EVALUATION PROGRAM:

Logs: Mud Logging	T.D. to base of surface csg.
Compensated Density-Compensated Neutron Log	T.D. to base of surface csg.
Dual Laterolog - Micro-SFL	T.D. to base of surface csg.
Numar (Magnetic Resonance Imaging Log)	@ Geologists discretion

Cores: None Programmed

DST': None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

EIGHT POINT PLAN

UTE TRIBAL #19-03
NE/NW SEC. 19, T5S R3W
DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

10. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

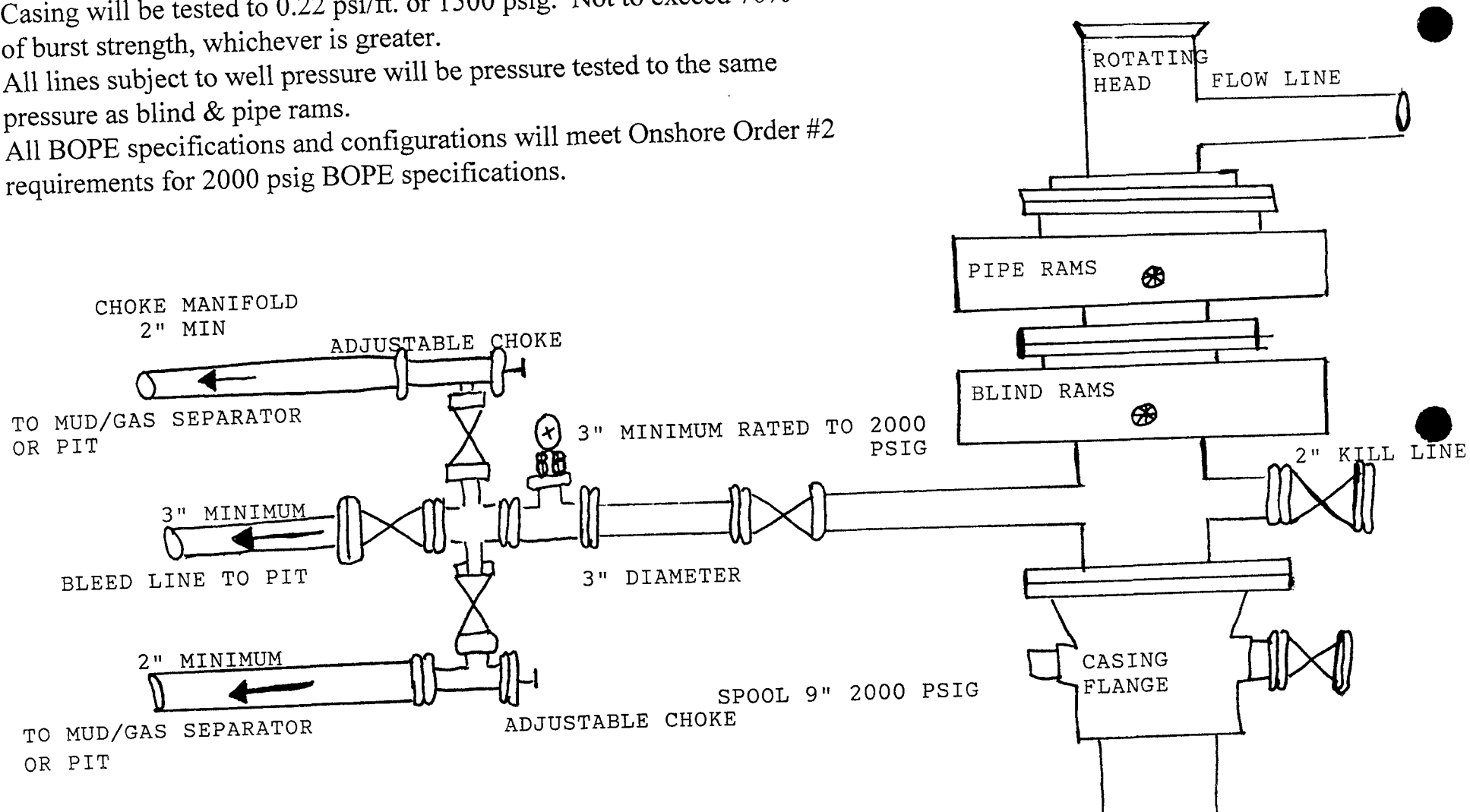
(Attachment: BOP Schematic Diagram)

2000 PSIG DIAGRAM

BOTH RAMS ARE 2000 PSIG RATED.
CASING FLANGE IS 9" 2000 PSIG RATED.
BOPE 9" 2000 PSIG

TESTING PROCEDURE:

1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind rams will be tested to rated working pressure, 2000 psig
3. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
4. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.



CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Co., Inc.
Well Name & Number: Ute Tribal #19-03
Lease Number: BIA 14-20-H62-3514
Location: 674' FNL & 2016' FWL, NE/NW, Sec. 19, T5S R3W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice To Drill and Surface Use Program.

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 18.7 miles southwest of Myton, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

2. PLANNED ACCESS ROAD

- A. The access road will be approximately 200 feet in length. See attached TOPO Map "B"
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the

roadbed as necessary to provide a well-constructed safe road.

Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of- Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Co., Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - None
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None.
- D. Disposal wells - None.
- E. Drilling wells - None.
- F. Producing wells - 3*
- G. Shut in wells - None
- H. Injection wells - None

(*See attached TOPO map "C" for location)

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. ON WELL PAD

- 1. Tank batteries - None
- 2. Production facilities-To be submitted later
- 3. Oil gathering lines - None

4. Gas gathering lines-None
5. Injection lines - None
6. Disposal lines - None
7. Surface pits - None

B. OFF WELL PAD

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 4 1/2" OD steel above ground production pipeline will be laid approximately 1600' from proposed location to a point in the S/2NW/4 of Section 19, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the Ute Tribal #19-06 location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A.

(Occupational Safety and Health Act) will be excluded.
The required paint color is Desert Brown.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE 1/4, Sec. 1, T 4S, R 5W Duchesne County, Utah (State water right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by Target Trucking.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.

B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BIA administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

A 12 mill liner shall be installed in the reserve pit.

___To protect the environment:

If the reserve pit is lined the operator will provide the BIA with a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

___To protect the environment (without a chemical analysis)
reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

___Storage tanks will be used if drill sites are located on tribal

irrigable land, flood plains, or on lands under crop production.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. ANCILLARY FACILITIES

- A. No airstrips or camps are planned for this well.

9. WELL SITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the East side of the location.

The flare pit will be located downwind of the prevailing wind direction on the East side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the South end.

Access to the well pad will be from the North.

N/A Diversion ditch(es) shall be constructed on the _____ side of the location (above/below) the cut slope, draining to the _____

N/A Soil compacted earthen berm(s) shall be placed on the _____ side(s) of the location between the _____

N/A The drainage(s) shall be diverted around the sides of the well pad location.

N/A The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons _____

N/A Corner No. ____ will be rounded off to minimize the fill.

FENCING REQUIREMENTS

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/ shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to

satisfy himself/herself that the fence is adequately braced and tied off.

10. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion (weather permitting). Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BIA will attach the appropriate surface rehabilitation conditions of approval.

ON BIA Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

11. SURFACE OWNERSHIP

Access road: Ute Indian Tribe

Location: Ute Indian Tribe

12. OTHER INFORMATION

- A. Petroglyph Operating Co., Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:
-whether the materials appear eligible for the National Register of historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA,

or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors, and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved right-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members (d) that permits must be obtained from the BIA before cutting firewood or other timber products, and (e) only authorized personnel permitted. All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator,

the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

Additional Surface Stipulations

N/A No construction or drilling activities shall be conducted between

_____ and _____ because of _____

N/A No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

N/A No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

N/A There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

N/A No cottonwood trees will be removed or damaged.

N/A Pond will be constructed according to BLM specifications approximately _____ ft. _____ of the location, as flagged on onsite.

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter

1620 West 750 North

Vernal UT 84078

Telephone # (801)789-4120

Fax # (801) 789-1420

OPERATIONS

Vince Guinn

P.O. Box 607

Roosevelt, UT 84066

(801) 722-2531

Fax # (801) 722-9145

All lease/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Operating Co., Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

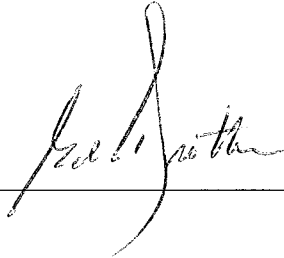
A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The BIA Office shall be notified upon site completion prior to moving on the drilling rig.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

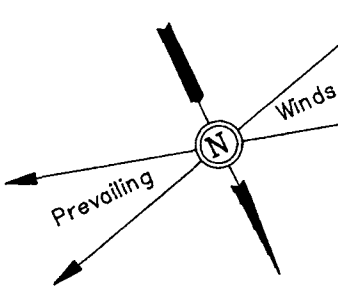
1-23-97
Date



PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #19-03
SECTION 19, T5S, R3W, U.S.B.&M.
674' FNL 2016' FWL



Handwritten signature

SCALE: 1" = 50'
DATE: 11-20-96
Drawn By: C.B.T.

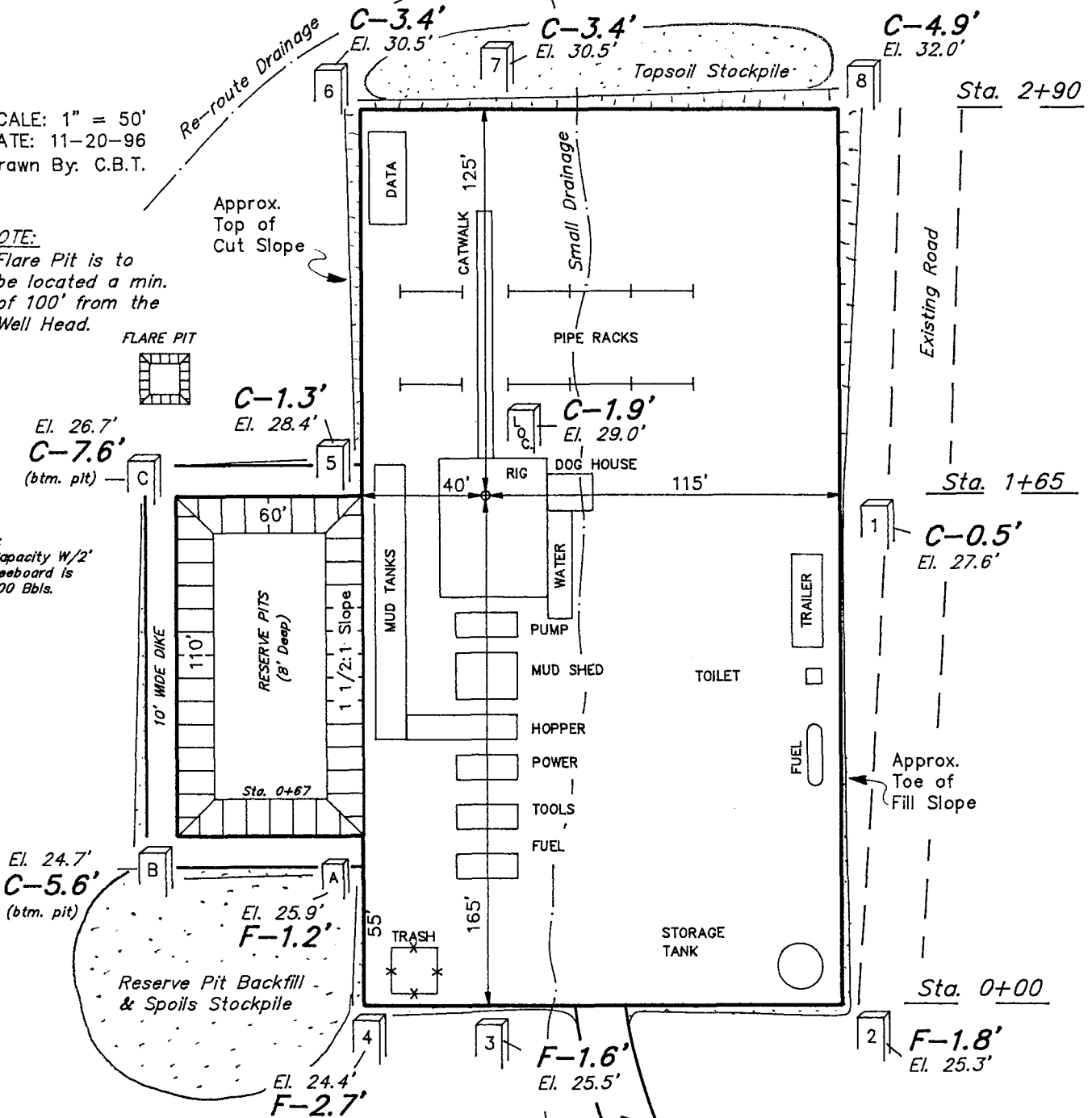
NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

FLARE PIT

Approx. Top of Cut Slope

NOTE:
Pit Capacity W/2' of Freeboard is ±4,600 Bbls.



Elev. Ungraded Ground at Location Stake = 6029.0'

Elev. Graded Ground at Location Stake = 6027.1'

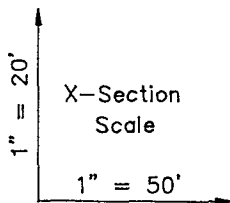
Proposed Access Road

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

PETROGLYPH OPERATING CO., INC.

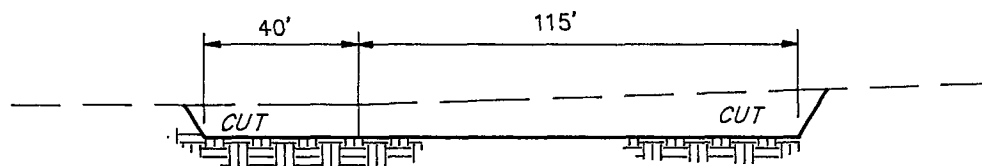
TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #19-03
SECTION 19, T5S, R3W, U.S.B.&M.
674' FNL 2016' FWL

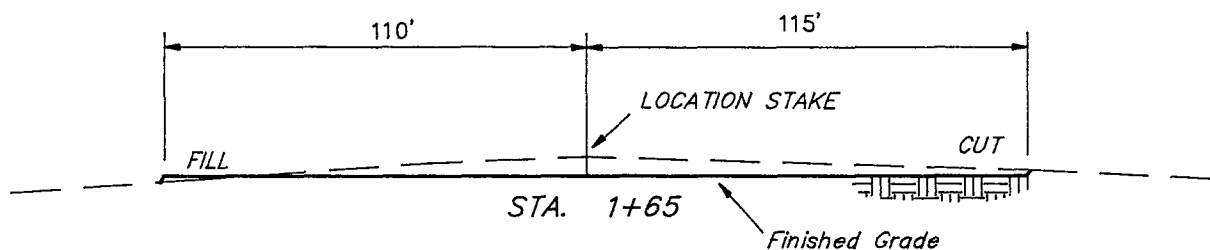


DATE: 11-20-96
Drawn By: C.B.T.

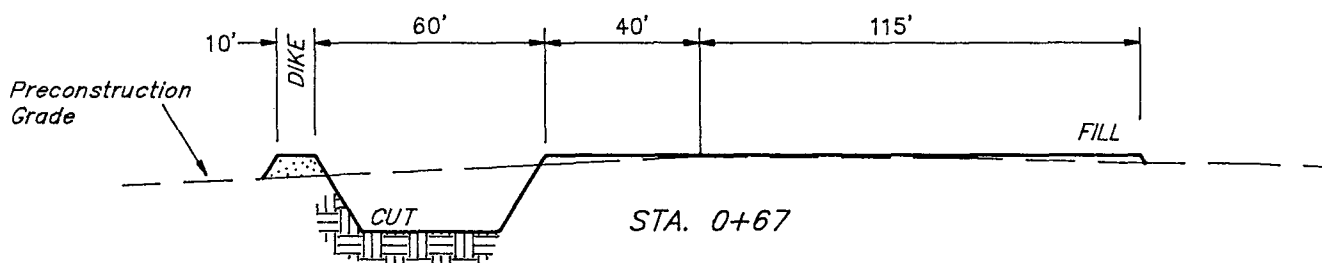
Handwritten signature/initials



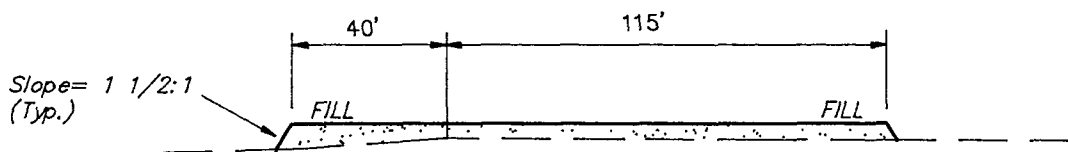
STA. 2+90



STA. 1+65



STA. 0+67



STA. 0+00

NOTE:

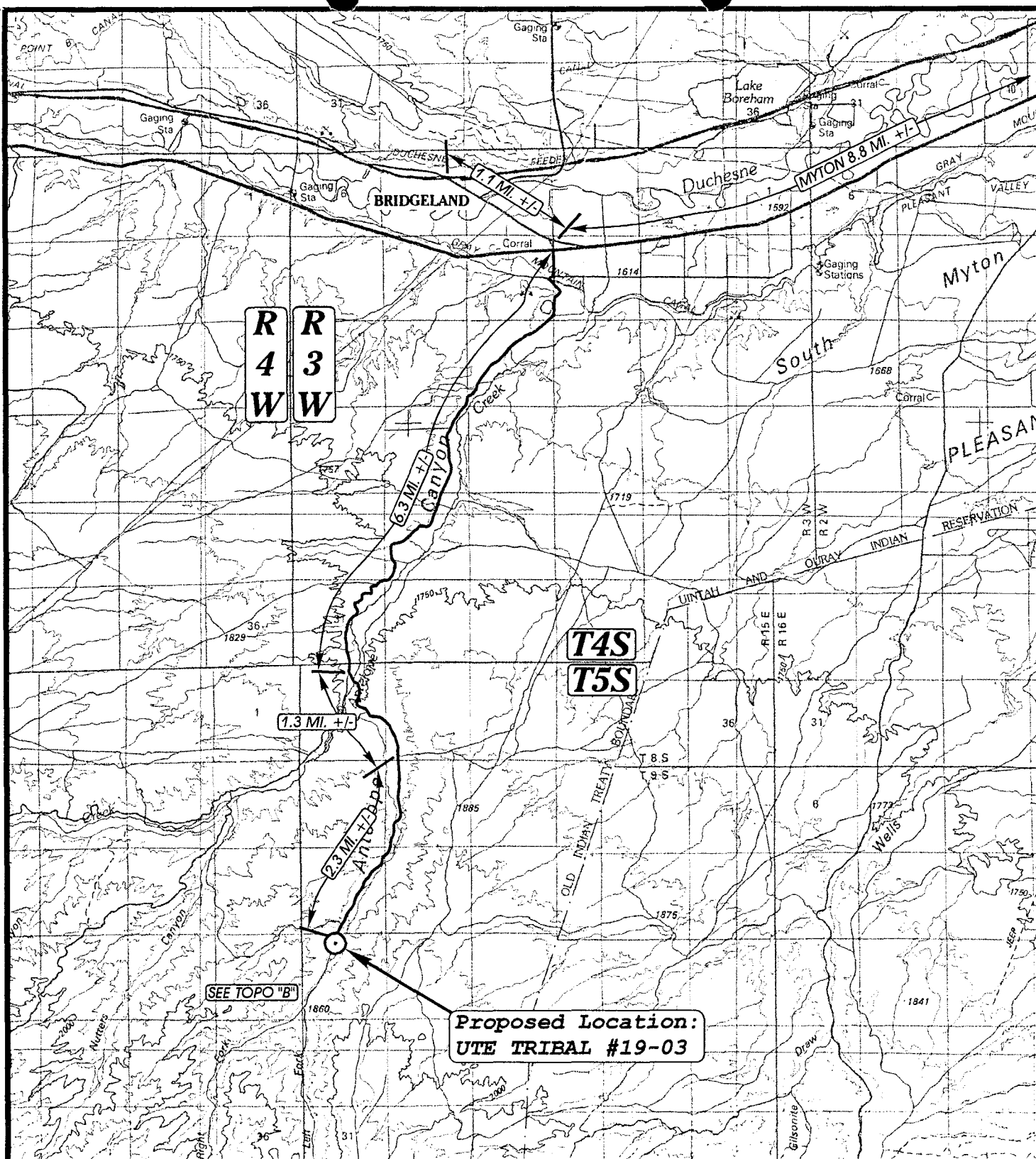
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

(12") Topsoil Stripping = 1,910 Cu. Yds.
Remaining Location = 2,330 Cu. Yds.
TOTAL CUT = 4,240 CU.YDS.
FILL = 1,540 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION = 2,620 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 2,610 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation) = 10 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017



UEIS

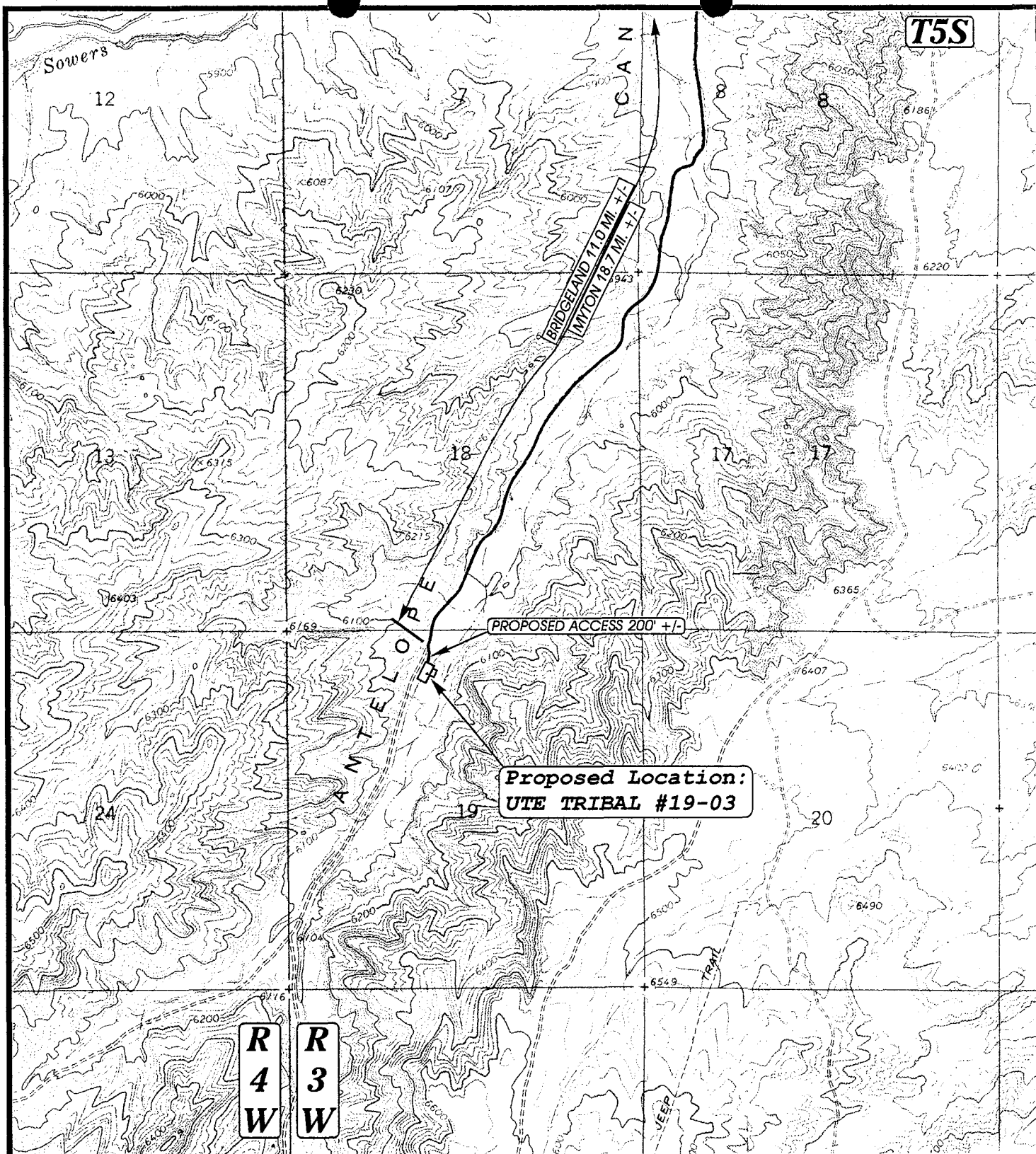
**TOPOGRAPHIC
MAP "A"**

DATE: 11-20-96
Drawn by: D.COX

PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #19-03
SECTION 19, T5S, R3W, U.S.B.&M.
674' FNL 2016' FWL**

UINTAH ENGINEERING & LAND SURVEYING
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**TOPOGRAPHIC
MAP "B"**

**DATE: 11-20-96
Drawn by: D.COX**

**U
E
L
S**

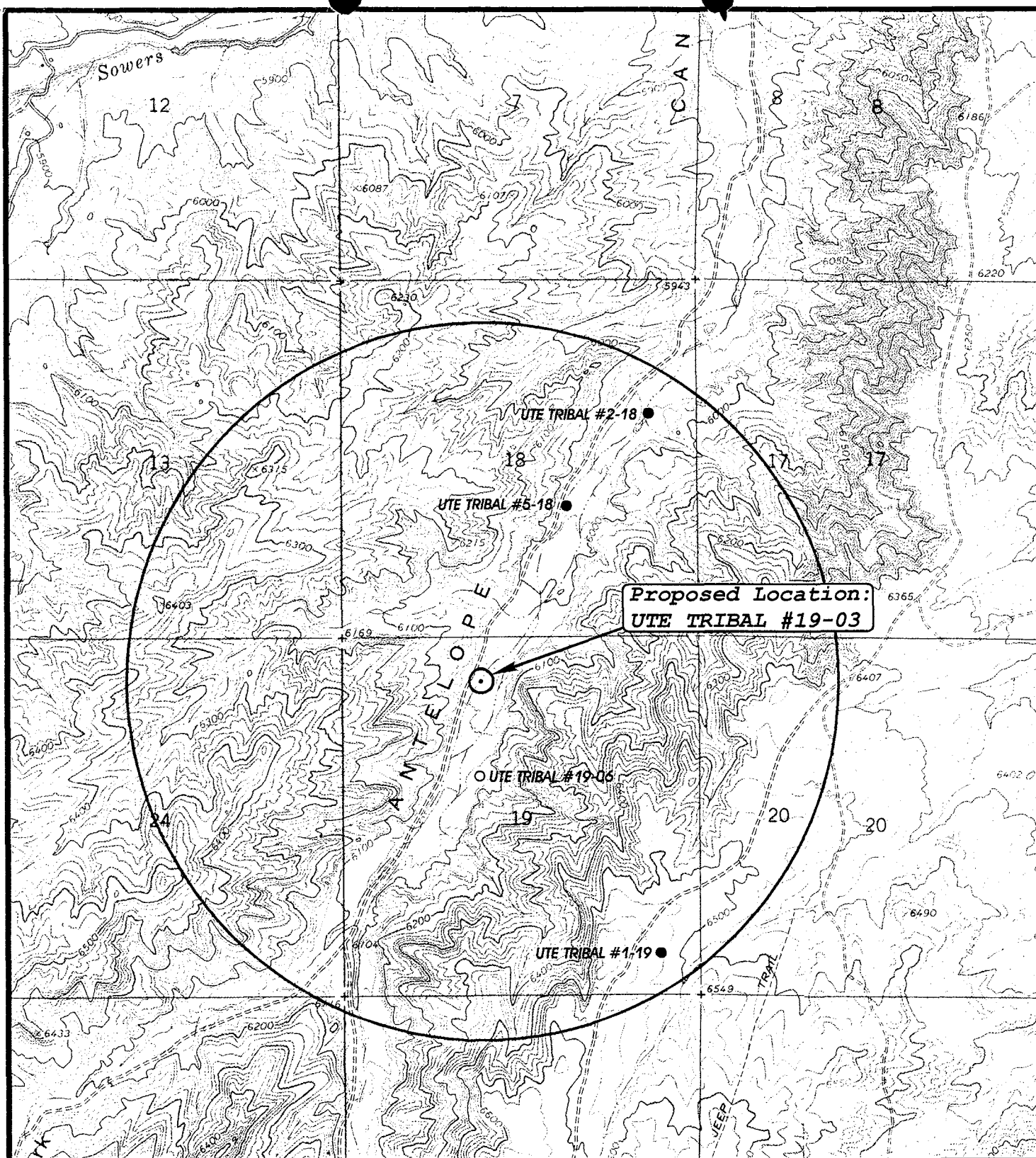
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SCALE: 1" = 2000'

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #19-03
SECTION 19, T5S, R3W, U.S.B.&M.
674' FNL 2016' FWL



LEGEND

U
E
I
S



- Water Wells
- Abandoned Wells
- Temporarily Abandoned Wells
- Disposal Wells
- Drilling Wells
- Producing Wells
- Shut-In Wells

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



SCALE: 1" = 2000'

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #19-03
SECTION 19, T5S, R3W, U.S.B.&M.
TOPOGRAPHIC
MAP "C"

DATE: 11-20-96 D.COX

T5S

Proposed Location:
UTE TRIBAL #19-03

PROPOSED ACCESS ROAD

PROPOSED PIPELINE

EXISTING PIPELINE

TIE IN POINT

R
4
W
R
3
W

APPROXIMATE TOTAL PIPELINE DISTANCE = 1600' +/-

TOPOGRAPHIC
MAP "D"

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #19-03
SECTION 19, T5S, R3W, U.S.B.&M.

DATE: 11-20-96
Drawn by: D.COX

UELS

--- Existing Pipeline
- - - Proposed Pipeline

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/28/97

API NO. ASSIGNED: 43-013-31792

WELL NAME: UTE TRIBAL 19-03
OPERATOR: PETROGLYPH OPERATING (N3800)

PROPOSED LOCATION:

NENW 19 - T05S - R03W
SURFACE: 0674-FNL-2016-FWL
BOTTOM: 0674-FNL-2016-FWL
DUCHESNE COUNTY
ANTELOPE CREEK FIELD (060)

LEASE TYPE: IND
LEASE NUMBER: 14-20-H62-3514

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
(Number 4426)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number 116 10102)
☒ RDCC Review (Y/N)
(Date: _____)

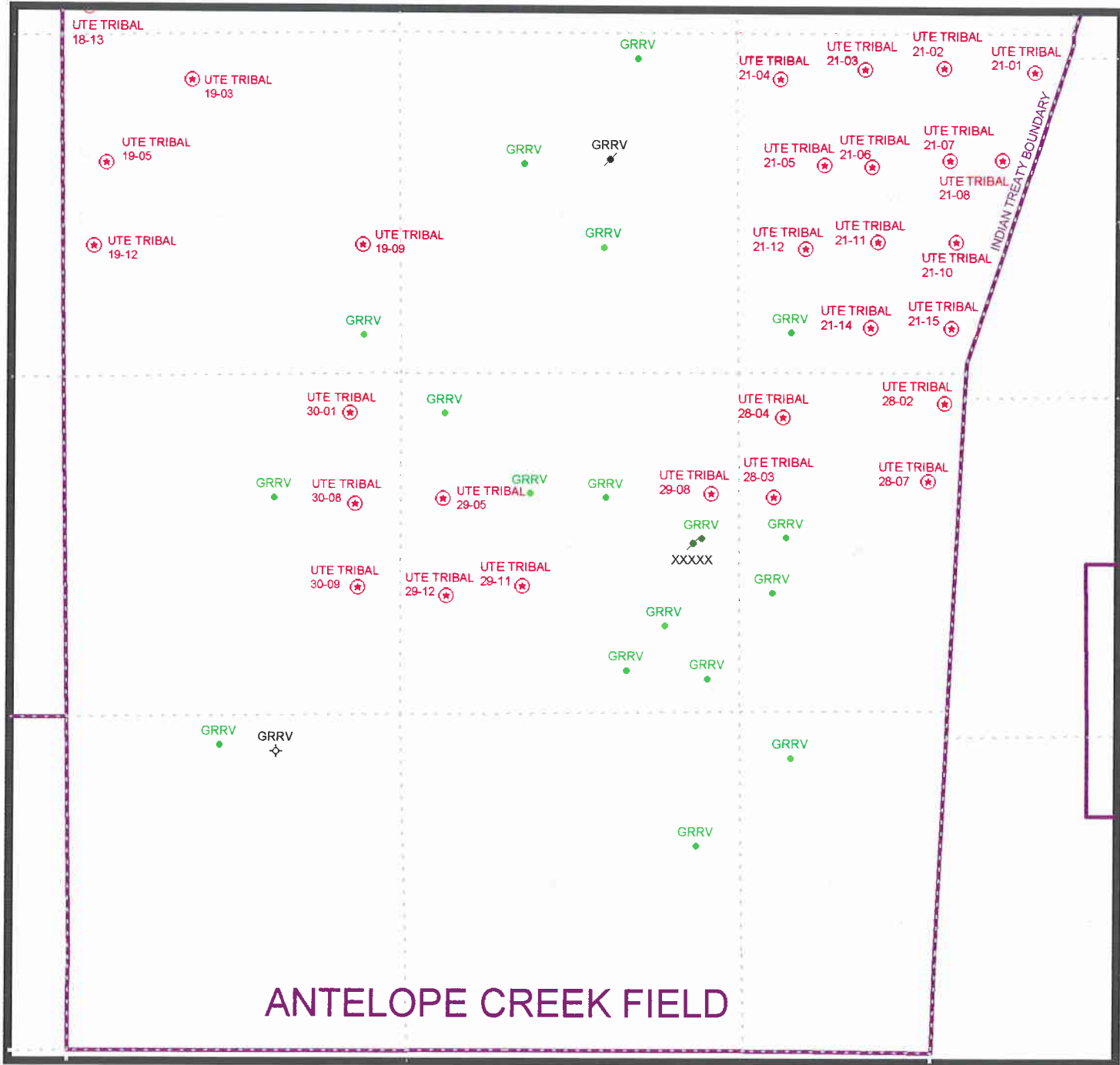
LOCATION AND SITING:

____ R649-2-3. Unit: _____
☒ R649-3-2. General.
____ R649-3-3. Exception.
____ Drilling Unit.
____ Board Cause no: _____
____ Date: _____

COMMENTS: _____

STIPULATIONS: _____

OPERATOR: PETROGLYPH
FIELD: ANTELOPE CREEK (060)
SEC. TWP. RNG: 19,29,30, T5S R3W
COUNTY: DUCHESNE
UAC: R649-3-2



PREPARED:
DATE: 28-JAN-97



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

February 12, 1997

Petroglyph Operating Company, Inc.
P.O. Box 607
Roosevelt, Utah 84066

Re: Ute Tribal 19-03 Well, 674' FNL, 2016' FWL, NE NW, Sec. 19,
T. 5 S., R. 3 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31792.

Sincerely,

R. J. Firth
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Petroglyph Operating Company, Inc.
Well Name & Number: Ute Tribal 19-03
API Number: 43-013-31792
Lease: 14-20-H62-3514
Location: NE NW Sec. 19 T. 5 S. R. 3 W.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact R. J. Firth (801)538-5274 or Mike Hebertson at (801) 538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PETROGLYPH OPERATING COMPANY, INC.

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 607, ROOSEVELT, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

674' FNL & 2016' FWL NE/NW

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

18.7 MILES SOUTHWEST OF MYTON, UTAH

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 674'
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5754'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6027.1' GRADED GROUND

22. APPROX. DATE WORK WILL START*

JANUARY 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl ₂
7 7/8	5 1/2	15.5#	5754'	+ 1/4 #/sx celloflake.
				50/50 POZMIX + 2% GEL + 10%
				SALT TO 400' ABOVE ALL ZONES
				OF INTEREST (+ 10% EXCESS).
				LIGHT CEMENT (11 PPG +) +
				LCM TO 200' ABOVE OIL SHALE
				OR FRESH WATER INTERVALS (+
				5% EXCESS).

PETROGLYPH OPERATING COMPANY, INC. WILL BE THE DESIGNATED
OPERATOR OF THE SUBJECT WELL UNDER BOND # BO 4556.pc: Utah Division of Oil, Gas, and Mining
Bureau of Indian Affairs, Fort Duchesne, Utah
Ute Tribe, Fort Duchesne, Utah

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE AGENT FOR PETROGLYPH

DATE

1-23-97

(This space for Federal or State office use)

PERMIT NO.

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY.

CONDITIONS OF APPROVAL ATTACHED

Assistant Field Manager
Mineral Resources

DATE

FEB 18 1997

APPROVED BY

TITLE

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company Inc.

Well Name & Number: Ute Tribal 19-03

API Number: 43-013-31792

Lease Number: 14-20-H62-3514

Location: NENW Sec. 19 T.5S R.3W

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the shallowest potential productive zone. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to the top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries and tested for meter accuracy at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

SURFACE USE PROGRAM
Conditions of Approval (COAs)

The Surface Use Conditions of Approval (COA's) are from the Bureau of Indian Affairs concurrence memorandum and the site specific Environmental Analysis.

The Ute Tribe Energy and Minerals Department is to be notified 48 hours prior to construction. A Tribal Technician shall monitor construction.

Fifty (50) foot wide Rights-Of-Way (ROWs) corridor shall be granted for the following:

Buried pipelines shall be limited to 15 feet wide; buried a minimum of 3 feet below the soil surface; and, monitored by a Tribal Technician.

After construction of the pipeline is completed, the disturbed area of the ROW shall be contoured to blend into the natural landscape and reseeded with desirable vegetation between September 15 and November 15 of the same year following construction.

Pipelines adjacent to access roads shall be buried with 15 feet from the outside edge of the borrow ditch. Any additional pipelines shall be parallel to the outer side of the first pipeline and shall be constructed as close to the first pipeline as safety requirements allow.

Surface pipelines shall be limited to 13 feet and the ROW will not be bladed or cleared of vegetation.

Where surface lines parallel roads, the pipe may be welded on the road then lifted from the road to the ROW.

Where surface lines do not parallel roads, the pipe may be welded on the road or well site and then pulled cross country with suitable equipment. The surface pipeline ROW will not be used as an access road.

The constructed travel width of the access road shall be limited to 22 feet, except, as granted, for sharp curves or intersections. Surface pipelines will be restricted to one side of the road ROW and, buried pipelines will be restricted to the other side.

Petroglyph Operating Company will assure the Ute Tribe that any/all contractors and any/all subcontractors have acquired a Tribal Business License and have access permits prior to construction.

All vehicular traffic, personnel movement, and construction and restoration operations shall be confined to areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.

All personnel shall refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

Personnel from the Ute Tribe Energy & Minerals Department shall be consulted should cultural remains from subsurface deposits be exposed or identified during construction.

Petroglyph Operating Company will notify the Ute Tribe Energy & Minerals Resource Department upon completion of APD and ROW so a Tribal Technician can verify Affidavit of Completions.

Before the site is abandoned the company will be required to restore the well site and ROW's to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Noxious weeds will be controlled on the well site and ROWs. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

Reserve pits will be lined with impervious synthetic liners. Prior to backfilling the reserve pit, all fluids will be pumped from the pit, into trucks, and hauled to approved disposal sites. When the reserve pit is backfilled the surplus oil, mud, etc., will be buried a minimum of three (3) feet below the soil surface.

A closed production system shall be used. Production fluids will be contained in leak proof tanks. All production fluids will be taken to and disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, well sites, or other areas will not be allowed.

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

Name of Company: PETROGLYPH OPERATING

Well Name: UTE TRIBAL 19-03

Api No. 43-013-31792

Section: 19 Township: 5S Range: 3W County: DUCHESNE

Drilling Contractor UNION

Rig # 7

SPUDDED:

Date 4/29/97

Time

How ROTARY

Drilling will commence

Reported by DEANNA

Telephone #

Date: 4/29/97 Signed: JLT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
14-20-H62-3514

6. If Indian, Allottee or Tribe Name
Ute Indian Tribe

7. If Unit or CA, Agreement Designation
14-20-H62-4650

8. Well Name and No.
Ute Tribal 19-03

9. API Well No.
43-013-31792

10. Field and Pool, or Exploratory Area
Antelope Creek

11. County or Parish, State
Duchesne County, UT

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Petroglyph Operating Company, Inc.

3. Address and Telephone No.
P.O. Box 1839, Hutchinson, KS 67504-1839; (316) 665-8500

4. Location of Well (Footage, Sec., T., R., or Survey Description)
**674' FNL & 2016' FWL
NE NW 19-T5S-R3W**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

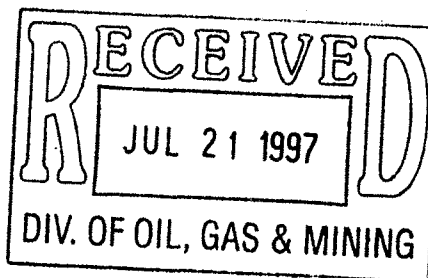
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☒ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Petroglyph Operating Company, Inc. has submitted an application for a UIC permit to convert the Ute Tribal 19-03 from a producing well to an injection well under the EPA Area Permit #UT2736-00000 within the Antelope Creek Waterflood Project Area located in Duchesne County, Utah.

CONFIDENTIAL



14. I hereby certify that the foregoing is true and correct

Signed April Merys Title Geo/Petro Engineering Tech Date 7-17-97

(This space for Federal or State official use)

Approved by _____ Title _____ Date _____

Conditions of Approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter in its jurisdiction.

*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR Petroglyph Operating Company, Inc.
ADDRESS P.O. Box 607
Roosevelt, UT 84066

OPERATOR ACCT. NO. N3800

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12211	43-013-31792	Ute Tribal 19-03	NENW	19	5S	3W	Duchesne	4-29-97	
WELL 1 COMMENTS: Ute Tribal 19-03 will be a tank battery											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Deanna K Bell
Signature Deanna K. Bell
Operations Coordinator 5-3-97
Title _____ Date _____
Phone No. () _____

09/09/97 12:56 FAX 8017229145

--- Lisha Cordova

003

PETROGLYPH OPERATING COMPANY, INC.

P. O. Box 1839
Hutchinson, Kansas 67504-1839
Tele: (316) 665-8500
Fax: (316) 665-8577

P. O. Drawer 607
Roosevelt, Utah 84066
Tele: (801) 722-2531
Fax: (801) 722-9145

TELECOPIER TRANSMITTAL SHEET**PRIVILEGED AND CONFIDENTIAL**

This facsimile contains privileged and confidential information intended only for the use of the individual or entity named below. If the reader of the facsimile is not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby on notice that you are in possession of confidential and privileged information. Any dissemination, distribution, or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify the sender by telephone (collect) and return the original to the sender at the above address via the U.S. Postal Service.

This transmission consists of 3 page(s), including this cover sheet. Please deliver to recipient immediately!

TO: Lisha COMPANY: _____
FROM: L. Pearson COMPANY: _____
FAX NUMBER: _____ DATE: 9/9/97

MESSAGE:

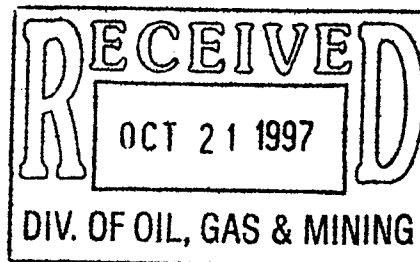
Please call me w/ entity #'s
ABAP - Thank you

PETROGLYPH Operating Company, Inc.

6209 North Highway 61, Hutchinson, Kansas 67502 • P.O. Box 1839, Hutchinson, Kansas 67504-1839

October 15, 1997

Vicky Dyson
State of Utah
Division of Oil, Gas & Mining
1594 W. North Temple, Ste.1210
Salt Lake City, UT 84114



CONFIDENTIAL

Ms. Dyson:

Enclosed please find the logs listed below for the wells located in Duchesne County, Utah.

<u>Well Name</u>	<u>Log</u>
Ute Tribal 19-06	CNL & AIT
Ute Tribal 16-07	CNL & AIT
Ute Tribal 19-05	CNL & AIT
Ute Tribal 18-11	CNL & AIT
Ute Tribal 15-12	CNL & AIT
Ute Tribal 16-03	CNL & AIT
Ute Tribal 14-05	CNL & AIT
Ute Tribal 19-09	CNL & AIT
Ute Tribal 16-08	CNL & AIT
Ute Tribal 19-04	CNL & AIT
Ute Tribal 07-10	CNL & AIT
Ute Tribal 19-03	CNL & AIT
Ute Tribal 30-10	CNL & AIT
Ute Tribal 30-11	CNL & AIT

43013 31792 T05S R03W 19

If you need further information, please do not hesitate to call me at 316-665-8500.

Sincerely,

A handwritten signature in cursive script that reads "Judy Gates".

Judy Gates
Petroleum Geology Technician

CONFIDENTIAL

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Lease: Ute Tribal 19-03

API #: 43-013-31792

Location: 19 - 5 S - 3 W

County, St.: Duchesne UT

Property: 50121

Elevation: KB 6037

GL 6027

AFE/EPE Number: 41239

Activity Date Daily Cost Activity Description

5/14/97	\$4,485.00	PERFORATIONS:
		4732-4736 Green River D (03.3) 4 SPF 16 shots
		WELLBORE:
		5756 RTD
		5755 LTD
		5489 PBTD
		5533 CSA

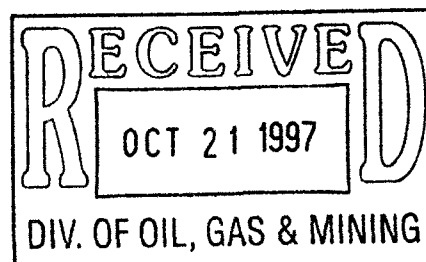
MIRU Pool rig 812. NU frac head & BOPs. Fill & test csg to 4500 psi. RU Schlumberger & perf D3.3 zone @ 4732-36' w/ 4 spf (16 holes).

RU Wireline. RIH w/ 5½' RTTS & BVBP. Set BVBP @ 4812'. POOH to 4742' & spot 6 bbls 15% HCL @ perfs. POOH w/ RTTS & set @ 4699'. Bkdn D3.3 perfs @ 1800 psi. Pump 20 bbls K wtr @ 4.2 bpm @ 1900 psi. ISIP @ 1200 psi. 5 min @ 200 psi. Rel RTTS & rev circ to insure HCL out of well. Reset RTTS & SWIFN. TWTR @ 53 bbls.

STIMULATION TREATMENT:

FLUID RECOVERY

ZONE BLF:	53
ZONE BLFR:	0
ZONE BLFTR:	53
ZONE % REC:	.%
WELL BLF:	53
WELL BLFR:	0
WELL BLFTR:	53
WELL % REC:	.%



COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.
Well: Ute Tribal 19-03
County, St.: Duchesne UT

Elevation: KB 6037
 GL 6027

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

5/15/97	\$2,591.00	PERFORATIONS: 4732-4736 Green River D (03.3) 4 SPF 16 shots WELLBORE: 5756 RTD 5755 LTD 5489 PBTD 5533 CSA
---------	------------	--

Open well w/ D3.3 zone acidized yesterday. This AM SITP @ 0 psi. RU & swb D3.3 zone. Made 17 runs. IFL @ 400'. Well swbd down @ run # 10 to 4600' & went 1 hr runs. Had ± 1000' entry/hr. MOC @ 0 %. Had heavy gas from run #5 on. FFL @ 4600'. TWR @ 83 bbls which is 156% of load. SWIFN.

FLUID RECOVERY

ZONE BLF:	53
ZONE BLFR:	83
ZONE % REC:	156.6%
WELL BLF:	53
WELL BLFR:	53
WELL BLFTR:	0
WELL % REC:	100.0%

5/16/97	\$740.00	PERFORATIONS: 4732-4736 Green River D (03.3) 4 SPF 16 shots WELLBORE: 5756 RTD 5755 LTD 5489 PBTD 5533 CSA
---------	----------	--

Open well w/ D3.3 zone swbd to 4600' w/ no oil but heavy gas last PM. This AM SITP @ 0 psi. Ck FL @ 2070'. Zone appears to be wet. Load tbg w/ 12 bbls K wtr. Rel RTTS. RIH & rel BVBP @ 4812' & POOH to 4701' & set BVBP. Test to 3500 psi & POOH w/ ret head. SWIFN.

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

5/19/97

\$2,801.00

PERFORATIONS:

4732-4736 Green River D (03.3)

4 SPF 16 shots

4532-4536 Green River C (08.1)

4 SPF 16 shots

4479-4482 Green River C (06)

4 SPF 12 shots

WELLBORE:

5756 RTD

5755 LTD

5489 PBTD

5533 CSA

Open well. RU Schlumberger & perf C6 zone @ 4479-82' w/ 4 spf (12 holes) & C8.1 zone @ 4532-36' w/ 4 spf (16 holes). RIH w/ 5½" RTTS to 4545'. RU & spot 6 bbls 15% HCL across perfs.

POOH & set RTTS @ 4507' (between zones). Bkdn C8.1 perfs dwn tbg. No initial brk. Pump in @ 4 bpm @ 200 psi. ISIP @ 1700 psi. Hook up to annulus & bkdn C6 zone. Did not see initial bkdn.

Pumping @ 4 bpm @ 200 psi. ISIP @ 1600 psi. Open tbg & press @ 0 psi. 5 min SI on C6 zone @ 100 psi. Bleed off csg psi. RIH w/ 1 jt & rev w/ acid in wellbore. POOH w/ RTTS. SWIFN.

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.	Elevation: KB 6037
Well: Ute Tribal 19-03	GL 6027
County, St.: Duchesne UT	

Activity Date	Daily Cost	Activity Description
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5/20/97	\$33,710.00	PERFORATIONS:
		4732-4736 Green River D (03.3) 4 SPF 16 shots
		4532-4536 Green River C (08.1) 4 SPF 16 shots
		4479-4482 Green River C (06) 4 SPF 12 shots
		4370-4378 Green River C (05.2) 4 SPF 32 shots
		4370-4378
		WELLBORE:
		5756 RTD
		5755 LTD
		5489 PBT
		5533 CSA

Open well w/ C6 & C8.1 zones brkdn yesterday. This AM SICP @ 0 psi. RU HES & frac C6 & C8.1 zone w/ 6977 gal Boragel 30 w/ 28100# 20/40 sand @ .5-10 ppg. MTP @ 2570 psi. ATP @ 2350 psi. MTR @ 21.5 bpm. ATR @ 20.5 bpm. ISIP @ 2324 psi. 5 min @ 2185 psi. Pfg @ .95. NOTE: Pumped step down test prior to frac.

Lub in hole w/ RBP & perf gun. Set RBP @ 4430' & test to 3000 psi. Perf C5.2 zone @ 4370-78 w/ 4 spf (32 holes). No brk w/ K wtr @ 3000 psi. Spot HCL w/ dump bailer & bkdn @ 3000 psi. IR @ 4 bpm @ 1800 psi. Frac C5.2 zone w/ 250 gal 15% HCL & 8849 gal Boragel 30 w/ 54000# 20/40 sand @ .5 - 10 ppg. MTP @ 2500 psi. ATP @ 2050 psi. MTR @ 22.5 bpm. ATR @ 21 bpm. ISIP @ 2277 psi. 5 min @ 1956 psi. Pfg @ .95.

Flow C5.2 zone to tank @ \pm 60 bhp. Flowed 115 bbls to 0 psi. RIH w/ ret head & tagged sand @ 4371'. Clean out to 4430'. Rel RBP & POOH. RIH w/ ret head & tag sand @ 4640'. POOH to 4286' & SWIFN.

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	6977	gal

PROPPANT:	Type	Total Lbs:	Ramp Range
1	20/40 sand	28100	.5-10

PRESSURE/RATE:

Maximum:	2570 psi	21.5 BPM
Average:	2350 psi	20.5 BPM

SI PRESSURE:

	TP	CP
ISIP:	2324	
5 Min:	2185	

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	8849	gal

PROPPANT: Type

Total Lbs: Ramp Range

1 20/40 sand

54000 .5-10

PRESSURE/RATE:

Maximum: 2550 psi

25.5 BPM

Average: 2050 psi

21 BPM

SI PRESSURE:

TP CP

ISIP:

2277

5 Min:

1956

FLUID RECOVERY

ZONE BLF: 663

ZONE BLFR: 115

ZONE BLFTR: 548

ZONE % REC: 17.3%

WELL BLF: 716

WELL BLFR: 168

WELL BLFTR: 548

WELL % REC: 23.5%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

5/21/97

\$20,742.00

PERFORATIONS:

4732-4736	Green River D (03.3)	4 SPF	16 shots
4532-4536	Green River C (08.1)	4 SPF	16 shots
4479-4482	Green River C (06)	4 SPF	12 shots
4370-4378	Green River C (05.2)	4 SPF	32 shots
4370-4378			

WELLBORE:

5756	RTD
5755	LTD
5489	PBTD
5533	CSA

Open well w/ C6, C8.1 & C5.2 zones fracd yesterday & flowed back. This AM SICP @ 50 psi. SITP @ 40 psi. RU & swb. Made 14 runs. IFL @ surf. Had 2% oil on run #4 & incr to 98% on run #14. FFL @ 1200'. TWR @ 120 bbls. TOR @ 15 bbls. SWIFN.

FLUID RECOVERY

ZONE BLF:	663
ZONE BLFR:	235
ZONE BLFTR:	428
ZONE % REC:	35.4%
WELL BLF:	716
WELL BLFR:	288
WELL BLFTR:	428
WELL % REC:	40.2%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

5/22/97

\$1,785.00

PERFORATIONS:

4732-4736	Green River D (03.3)	4 SPF	16 shots
4532-4536	Green River C (08.1)	4 SPF	16 shots
4479-4482	Green River C (06)	4 SPF	12 shots
4370-4378	Green River C (05.2)	4 SPF	32 shots

WELLBORE:

5756	RTD
5755	LTD
5489	PBTD
5533	CSA

Open well w/ C6, C8.1 & C5 zones swbd to 1200' & 98% oil cut last PM. This AM SICP @ 200 psi & SITP @ 240 psi. Bleed off press & well trying to flow. Hook up pump & circ w/ 120 bbls hot K/wtr to control well & clean out oil.

W/ EOT @ 4286', RIH w/ tbg & tag sand @ 4640' (54' of sand on BVBP). Clean out to BVBP @ 4694' & POOH to 4355'. Reset BVBP. POOH to 4332'. Test BVBP to 4500 psi. Bleed off & SWIFLW.

BHP = 2132 psi = .48 psi/ft.

FLUID RECOVERY

ZONE BLF:	663
ZONE BLFR:	235
ZONE BLFTR:	428
ZONE % REC:	35.4%
WELL BLF:	716
WELL BLFR:	288
WELL BLFTR:	428
WELL % REC:	40.2%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

5/27/97	\$51,865.00	PERFORATIONS:
		4732-4736 Green River D (03.3) 4 SPF 16 shots
		4532-4536 Green River C (08.1) 4 SPF 16 shots
		4479-4482 Green River C (06) 4 SPF 12 shots
		4370-4378 Green River C (05.2) 4 SPF 32 shots
		4325-4330 Green River C (05) 4 SPF 20 shots
		4186-4194 Green River C (01) 4 SPF 32 shots
		4078-4084 Green River B (11) 4 SPF 24 shots
		WELLBORE:
		5756 RTD
		5755 LTD
		5489 PBTD
		5533 CSA

Open well w/ BVBP above all zones & EOT @ 4332'. Spot 6 bbls 15% HCL @ C5 interval & POOH w/ tbg. RU Schlumberger & perf C5 zone @ 4325-30' w/ 4 spf (20 holes).

RU HES & bkdn & frac C5 zone. Broke @ 2717 psi. Pump HCL away @ 17 bpm @ 2564 psi. Frac w/ 7700 gal Boragel 30 w/ 42200# 20/40 @ .5 - 10 ppg. MTP @ 3016 psi. ATP @ 2550 psi. MTR @ 21 bpm. ATR @ 20 bpm. ISIP @ 2694 psi. 5 min @ 2442 psi. Pfg @ 1.05.

Lub in well w/ RBP & perf gun. Set RBP @ 4250' & test to 3000 psi. Perf C1 zone @ 4186-94' w/ 4 spf (32 holes). Bkdn C1 perms w/ K wtr @ 3000 psi. IR @ 4 bpm @ 2000 psi.

RU HES & frac C1 zone w/ 250 gal 15% HCL ahead & 8860 gal Boragel 30 w/ 51600# 20/40 sand @ .5 - 10 ppg. MTP @ 2350 psi. ATP @ 1950 psi. MTR @ 25.7 bpm. ATR @ 25.2 bpm. ISIP @ 2123 psi. 5 min @ 2020 psi. Pfg @ .94.

Lub in well w/ RBP & perf gun. Set RBP @ 4150'. Plug would not test. Wait on RBP from Vernal. RIH w/ Wireline & set RBP @ 4110' & test to 3000 psi. Perf B11 zone @ 4078-84' w/ 4 spf (24 holes). Attempt to bkdn w/ K wtr. Failed @ 3000 psi. Spot HCL @ perms w/ dump bailer & bkdn @ 2400 psi & pump @ 2 bpm @ 2700 psi.

RU & frac B11 zone w/ 250 gal 15% HCL ahead & 10478 gal Boragel 30 w/ 61900# 20/40 sand @ .5-10 ppg. MTP @ 3210 psi. ATP @ 2750 psi. MTR @ 27 bpm. ATR @ 26 bpm. ISIP @ 2906 psi. 5 min @ 2700 psi. Pfg @ 1.14.

Flow well to plt @ 5 min @ \pm 60 bph to 0 psi. Flowed 73 bbls in 2½ hrs. SWIFN.

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	7700	gal

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

PROPPANT:	Type
1	20/40 sand

Total Lbs:	Ramp Range
42200	.5-10

PRESSURE/RATE:

Maximum:	3016 psi
Average:	2550 psi

21 BPM
20 BPM

SI PRESSURE:

ISIP:
5 Min:

TP	CP
2694	
2442	

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type
frac fluid	Boragel 30

Amount	Unit
8860	gal

PROPPANT:	Type
1	20/40 sand

Total Lbs:	Ramp Range
51600	.5-10

PRESSURE/RATE:

Maximum:	2350 psi
Average:	1950 psi

25.7 BPM
25.2 BPM

SI PRESSURE:

ISIP:
5 Min:

TP	CP
2123	
2020	

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type
frac fluid	Boragel 30

Amount	Unit
10478	gal

PROPPANT:	Type
1	20/40 sand

Total Lbs:	Ramp Range
61900	.5-10

PRESSURE/RATE:

Maximum:	3210 psi
Average:	2750 psi

27 BPM
26 BPM

SI PRESSURE:

ISIP:

TP	CP
2906	

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

5 Min:

2700

FLUID RECOVERY

ZONE BLF:	1033
ZONE BLFR:	73
ZONE BLFTR:	960
ZONE % REC:	7.1%
WELL BLF:	1749
WELL BLFR:	361
WELL BLFTR:	1388
WELL % REC:	20.6%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

5/28/97

\$2,187.00

PERFORATIONS:

4732-4736	Green River D (03.3)	4 SPF	16 shots
4532-4536	Green River C (08.1)	4 SPF	16 shots
4479-4482	Green River C (06)	4 SPF	12 shots
4370-4378	Green River C (05.2)	4 SPF	32 shots
4325-4330	Green River C (05)	4 SPF	20 shots
4186-4194	Green River C (01)	4 SPF	32 shots
4078-4084	Green River B (11)	4 SPF	24 shots

WELLBORE:

5756	RTD
5755	LTD
5489	PBTD
5533	CSA

Open well w/ B11 zone flowed to 0 psi last PM. This AM SICP @ 300 psi. Flow well to 0 psi. RIH w/ ret head & tagged sand @ 3434'. Cleaned out & found to be a bridge. Cont to RIH & did tag top of sand @ 3744'. Clean out to RBP @ 4110'. Rel & POOH. (\pm 366' of sand flowed back).

RIH w/ #2 ret head to RBP which did not hold when set @ 4150'. Rel RBP & POOH (seems that RBP rubbers were never expanded). Rig having problems. Had to wrench out last few jts. SD to repair rig. SWIFN.

FLUID RECOVERY

ZONE BLF:	1033
ZONE BLFR:	73
ZONE BLFTR:	960
ZONE % REC:	7.1%
WELL BLF:	1749
WELL BLFR:	361
WELL BLFTR:	1388
WELL % REC:	20.6%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

5/29/97	\$1,087.00	PERFORATIONS:
		4732-4736 Green River D (03.3) 4 SPF 16 shots
		4532-4536 Green River C (08.1) 4 SPF 16 shots
		4479-4482 Green River C (06) 4 SPF 12 shots
		4370-4378 Green River C (05.2) 4 SPF 32 shots
		4325-4330 Green River C (05) 4 SPF 20 shots
		4186-4194 Green River C (01) 4 SPF 32 shots
		4078-4084 Green River B (11) 4 SPF 24 shots
		WELLBORE:
		5756 RTD
		5755 LTD
		5489 PBTD
		5533 CSA

Open well w/ B11 & C1 zones exposed & C5 w/ RBP above it. SICP @ 300 psi this AM. Flow well to 0 psi while working on rig. Flowed \pm 20 bbls w/ rig repaired. RIH w/ ret head #3 to \pm 1280'. Well flowing. Circ well clean & cont to RIH to top of sand @ 4146'.

Clean out to RBP @ 4250'. Rel RBP & POOH. Found piece of ret head missing. RIH w/ ret head for BVBP to 3635' & SWIFN.

FLUID RECOVERY

ZONE BLF:	1033
ZONE BLFR:	93
ZONE BLFTR:	940
ZONE % REC:	9.%
WELL BLF:	1749
WELL BLFR:	381
WELL BLFTR:	1368
WELL % REC:	21.8%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

5/30/97	\$5,658.00	PERFORATIONS:
		4732-4736 Green River D (03.3) 4 SPF 16 shots
		4532-4536 Green River C (08.1) 4 SPF 16 shots
		4479-4482 Green River C (06) 4 SPF 12 shots
		4370-4378 Green River C (05.2) 4 SPF 32 shots
		4325-4330 Green River C (05) 4 SPF 20 shots
		4186-4194 Green River C (01) 4 SPF 32 shots
		4078-4084 Green River B (11) 4 SPF 24 shots
		WELLBORE:
		5756 RTD
		5755 LTD
		5489 PBTB
		5533 CSA

Open well w/ all plugs out of hole & C5, C1 & B11 zones open. SICP @ 40 psi & SITP @ 50 psi. RIH w/ ret head & tag sand @ 4329'. Clean out to 4351'. POOH to 4064' & RU swab. Made 16 runs in \pm 3 hrs. Had trace of oil on run #4 & incr to 43% by run #16. IFL @ surf. FFL @ 800'. TWR @ 124 bbls. TOR @ 46 bbls. RD swab.

RIH w/ ret head to BVBP @ 4355'. Rel BVBP & POOH to 2010'. Test to 1200 psi. POOH w/ ret head. RIH w/ Mtn States. Set tool to port collar @ 1394'. Open port collar after having some problems opening. Brk circ.

RU HES & pumped 20 bbls FW & 35 bbls Highfill slurry when port collar appears to have closed. Press csg to 2000 psi & pushing 1 jt tbg out of BOPs. SD & bleed off psi. Repl 1 jt tbg & attempt to open port collar - w/ no success.

POOH w/ set tool. Tool has 1 of 4 dogs not working. Repair tool & RIH. W/ several attempts tool opened. RU HES & circ out cmt from annulus. Decided to close tool to ensure it was operational. Tool closed & tested to 1000 psi. Trying to open tool failed. SWIFN. Will attempt to open in AM.

FLUID RECOVERY

ZONE BLF:	1033
ZONE BLFR:	217
ZONE BLFTR:	816
ZONE % REC:	21.%
WELL BLF:	1749
WELL BLFR:	505
WELL BLFTR:	1244
WELL % REC:	28.9%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

5/31/97	\$1,330.00	PERFORATIONS:
		4732-4736 Green River D (03.3) 4 SPF 16 shots
		4532-4536 Green River C (08.1) 4 SPF 16 shots
		4479-4482 Green River C (06) 4 SPF 12 shots
		4370-4378 Green River C (05.2) 4 SPF 32 shots
		4325-4330 Green River C (05) 4 SPF 20 shots
		4186-4194 Green River C (01) 4 SPF 32 shots
		4078-4084 Green River B (11) 4 SPF 24 shots

WELLBORE:

5756	RTD
5755	LTD
5489	PBTD
5533	CSA

Open well w/ BVBP @ 2010' above all perfs. SICP @ 0 psi. SITP @ 0 psi. Try to pen port collar w/ several attempts failing. POOH w/ set tool. Tool had 2 dogs not working. Repair tool & RIH.

Still cannot open port collar. RU HES to annulus & pump inj test 3 bpm @ 480 psi. SD & bleed off psi. POOH w/ set tool & SD to wait on instructions.

FLUID RECOVERY

ZONE BLF:	1033
ZONE BLFR:	217
ZONE BLFTR:	816
ZONE % REC:	21.1%
WELL BLF:	1749
WELL BLFR:	505
WELL BLFTR:	1244
WELL % REC:	28.9%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.
Well: Ute Tribal 19-03
County, St.: Duchesne UT

Elevation: KB 6037
GL 6027

Activity Date	Daily Cost	Activity Description
6/2/97	\$2,355.00	PERFORATIONS:
		4732-4736 Green River D (03.3) 4 SPF 16 shots
		4532-4536 Green River C (08.1) 4 SPF 16 shots
		4479-4482 Green River C (06) 4 SPF 12 shots
		4370-4378 Green River C (05.2) 4 SPF 32 shots
		4325-4330 Green River C (05) 4 SPF 20 shots
		4186-4194 Green River C (01) 4 SPF 32 shots
		4078-4084 Green River B (11) 4 SPF 24 shots
		WELLBORE:
		5756 RTD
		5755 LTD
		5489 PBTD
		5533 CSA

Open well. SICP @ 0 psi. RIH w/ ret head to BVBP @ $\pm 2010'$. Rel BVBP & POOH. RIH w/ BHA to $\pm 4870'$. SWIFN. Rig has brkn drive line to hydr pump. Will repair & res in AM.

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

6/3/97	\$19,717.00	PERFORATIONS:
		4732-4736 Green River D (03.3) 4 SPF 16 shots
		4532-4536 Green River C (08.1) 4 SPF 16 shots
		4479-4482 Green River C (06) 4 SPF 12 shots
		4370-4378 Green River C (05.2) 4 SPF 32 shots
		4325-4330 Green River C (05) 4 SPF 20 shots
		4186-4194 Green River C (01) 4 SPF 32 shots
		4078-4084 Green River B (11) 4 SPF 24 shots
		WELLBORE:
		5756 RTD
		5755 LTD
		5489 PBTD
		5533 CSA

Open well. SICP & SITP @ 0 psi. ND BOPs & frac head. Install 5½" x 3 m csg head. Set B2 TAC w/ ± 1000# tension & install tbg flange. NU prod'n head. XO to rods.

Run pump & rods. Seat pump & space out. Install stuffing box & rod rotator. Load hole w/ 1/8 bbl K wtr & test to 500 psi. Stroke test to 800 psi. Land string 6" off tag. RD Serv rig. Clean equip & loc'n. Final Report. Waiting on surf equip.

TWTR @ 1244 bbls.

TUBING DETAIL	LENGTH	DEPTH
KB	10.00	
2-7/8" x 6.5# J55 tbg (128 jts)	4009.68	
B2 TAC	2.70	4019.68
2-7/8" x 6.5# J55 tbg (24 jts)	746.07	
PSN	1.10	4768.45
2-7/8" x 6.5# J55 tbg (1 jt)	31.35	
Mech SN	.70	
6' perf sub	5.95	
2-7/8" tbg (2 jts)	60.70	
2-7/8" bull plug	.75	
EOT		4869.00

ROD DETAIL
1½" x 22' PR w/ liner
2' x 7/8" pony
6' x 7/8" pony
7/8" slick rods (67)

COMPLETION REPORT

9/26/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6037

Well: Ute Tribal 19-03

GL 6027

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

3/4" rods (124 - 8 guided rods each 4th
from btm).

2 1/2" x 1-3/4" x 16' 40 ring PA RHAC

Cumulative Cost: \$151,053.00

Days Since Start: 21

SUBMIT IN DUPLICATE
(See other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
(Expires August 31, 1985)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-3514

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute Indian Tribe

7. UNIT AGREEMENT NAME
14-20-H62-4650

8. FARM OR LEASE NAME

9. WELL NO.
Ute Tribal 19-03

10. FIELD AND POOL, OR WILDCAT
Antelope Creek

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NENW Sec. 19-T5S-3W

12. County or Parish
Duchesne

13. State
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1.a. TYPE OF WELL:

Oil Well ☒ Gas Well ☐ Dry ☐ Other ☐

b. TYPE OF COMPLETION:

New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Diff. Reserv. ☐ Other ☐

2. NAME OF OPERATOR

PETROGLYPH OPERATING COMPANY, INC.

3. ADDRESS OF OPERATOR

P.O. BOX 607, ROOSEVELT, UT 84066 (435) 722-2531

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 674' FNL & 2016' FWL

At top prod. interval reported below

At total depth 5756' RTD

14. PERMIT NO.

43-013-31792

DATE ISSUED

2/12/97

15. DATE SPUDDED

4/29/97

16. DATE T.D. REACHED

5/4/97

17. DATE COMPLETED (Ready to prod.)

6/3/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

19. ELEV. CASINGHEAD

6027'

20. TOTAL DEPTH, MD & TVD

5756' RTD

21. PLUG BACK T.D., MD & TVD

5489'

22. IF MULTIPLE COMPL., HOW MANY*

4

23. INTERVALS

DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD AND TVD)*

Green River

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL, AIT 10-22-97

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	427'	12-1/4"	235 sxs Type 5	
5-1/2"	15.5#	5533'	7-7/8"	95 sxs Highfill	
				310 sxs Thixotropic	

29. LINER RECORD

SIZE	TOP	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	4869'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

D3.3 4732-36' (16 holes) C1 4186-94' (32 holes)
C8.1 4532-36' (16 holes) B11 4078-84' (24 holes)
C6 4479-82' (12 holes)
C5.2 4370-78' (32 holes)
C5 4325-30' (20 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4532-36' & 4479-82'	6977 gal Boragel, 28100# 20/40 prop
4370-78'	8849 gal Boragel, 54000# 20/40 prop
4325-30'	7700 gal Boragel, 42200# 20/40 prop
4186-94'	8860 gal Boragel, 51600# 20/40 prop
4078-84'	10478 gal Boragel, 61900# 20/40 prop

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut-in)	
7/11/97		2-1/2" x 1-3/4" x 16' 40-ring PA RHAC pump				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
7/15/97	24			77	15	42	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
	400	24 HR. RATE					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

Dave Schreiner

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Signed

Deanne Bell

Title

Operations Coordinator

Date

12/1/97

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly or willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL
PERIOD
EXPIRED
7-2-98

RECEIVED
DEC 03 1997
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
B Marker	3646		CONFIDENTIAL			
X Marker	4128					
Y Marker	4164					
Douglas Creek	4272					
B Limestone	4656					
Castle Peak	5240					
Basal Carbonate	5649					

38. GEOLOGIC MARKERS

Mechanical Integrity Test Casing or Annulus Pressure Test for Well UT

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466
This form was printed on 06/10/1996.

EPA Witness: _____ Date 8/28/97

Test conducted by: Gene Searle

Others present: _____

UTE TRIBAL 19-03	2R as of 04/05/1996
ANTELOPE CREEK	SESE 05 05S 03W
Petroglyph Operating Company, Inc.,	Hutchinson, KS Op ID PTG01
Last MIT: No record / /	
Max Allowed Press psig	199 -Max Reported Press psig

Is this a regularly scheduled test? ☐ Yes ☐ No
 Initial test for permit? ☒ Yes ☐ No
 Test after well rework? ☐ Yes ☐ No

Well injecting during test? ☒ NO ☐ YES _____ BPD

Initial casing/tubing annulus pressure 1160 psig
 Does the annulus pressure build back up? ☐ Yes ☒ No

TUBING PRESSURE			
Initial	0 psig	psig	psig
End of Test	0 psig	psig	psig
CASING/TUBING ANNULUS PRESSURE			
Time	Test #1	Test #2	Test #3
0 min	1160 psig	psig	psig
5	1160		
10	1160		
15 min	1160		
20	1160		
25	1160		
30 min	1160		
24 hrs.	1085		
Result (circle)	Pass Fail	Pass Fail	Pass Fail

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

5. Lease Designation and Serial No.
14-20-H62-3514

6. If Indian, Allottee or Tribe Name
Ute Indian Tribe

7. If Unit or CA, Agreement Designation
14-20-H62-4650

8. Well Name and No.
Ute Tribal 19-03

9. API Well No.
43-013-31792

10. Field and Pool, or Exploratory Area
Antelope Creek

11. County or Parish, State
Duchesne County, UT

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Petroglyph Operating Company, Inc.

3. Address and Telephone No.
P.O. Box 1839, Hutchinson, KS 67504-1839; (316) 665-8500

4. Location of Well (Footage, Sec., T., R., or Survey Description)
**674' FNL & 2016' FWL
NE NW Section 19-T5S-R3W**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

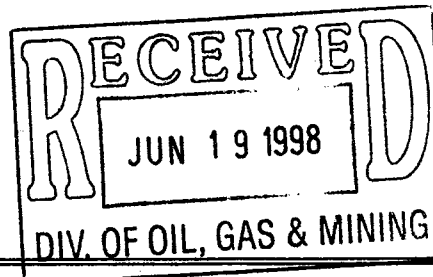
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Commence Injection
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Further to BLM & EPA approval (Permit #UT2736-04390), enclosed are copies of the MIT and Job Summary. Approval to inject fluids was granted by the EPA on 8/21/97. Injection commenced on 11/7/97.



14. I hereby certify that the foregoing is true and correct

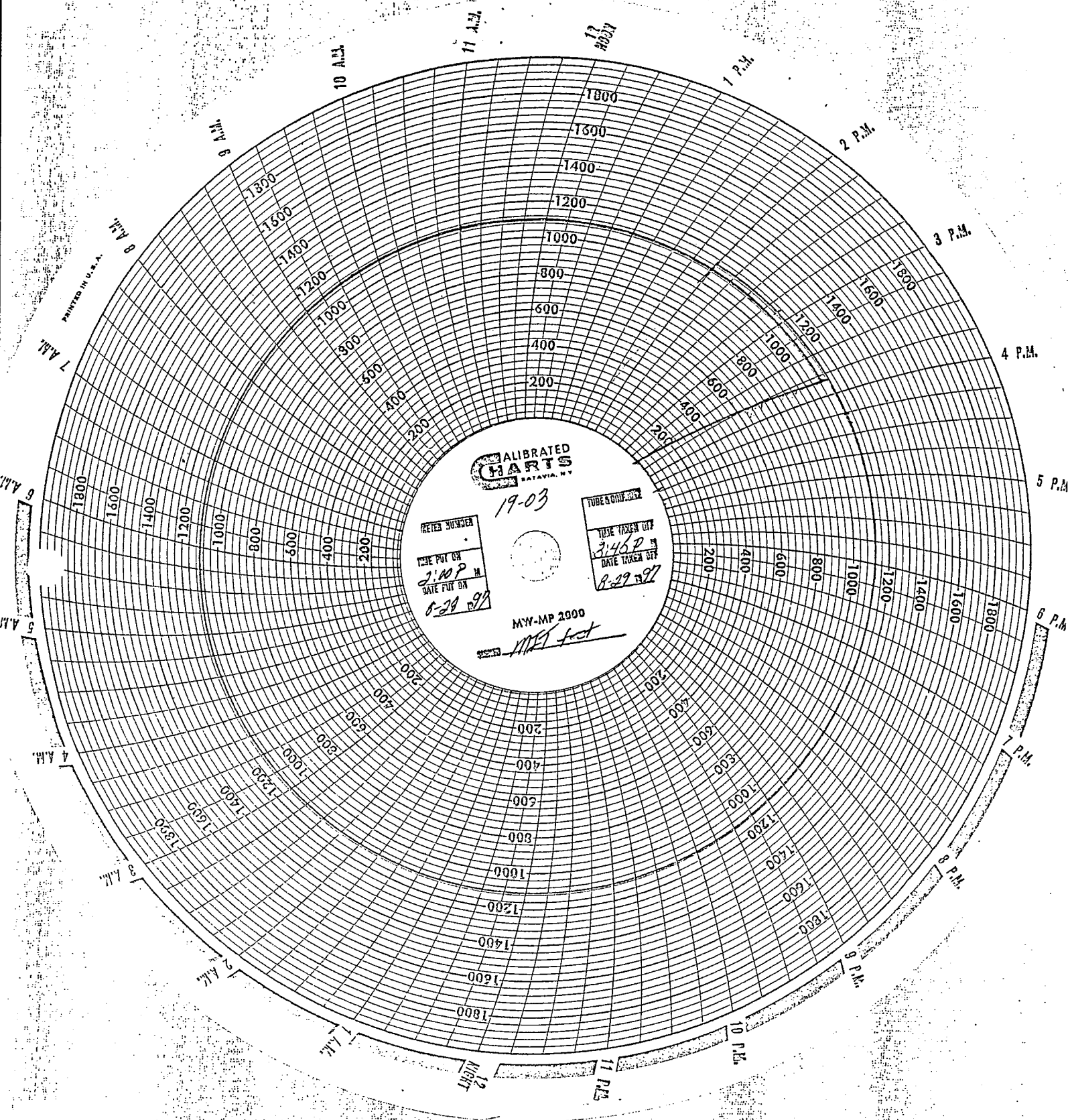
Signed Kathy Turner Title Petroleum Engineering Tech Date June 9, 1998

(This space for Federal or State official use)

Approved by _____ Title _____ Date _____

Conditions of Approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter in its jurisdiction.



WORKOVER REPORT

5/18/98

Petroglyph Operating Co., Inc.

Operator:	Petroglyph Operating Company, Inc.	Elevation:	KB 6037
Lease:	Ute Tribal 19-03		GL 6027
API #:	43-013-31792	Property:	11830
Location:	19 - 5 S - 3 W	AFE/EPE Number:	41239
County, St.:	Duchesne UT	Event Type:	convert to injector

Activity Date : Activity Description

8/27/97

PERFORATIONS:

4732-4736	Green River D (03.3)	4 SPF	16 shots
4532-4536	Green River C (08.1)	4 SPF	16 shots
4479-4482	Green River C (06)	4 SPF	12 shots
4370-4378	Green River C (05.2)	4 SPF	32 shots
4325-4330	Green River C (05)	4 SPF	20 shots
4186-4194	Green River C (01)	4 SPF	32 shots
4078-4084	Green River B (11)	4 SPF	24 shots

7:00 a.m. Dig out 8 5/8" csg valve & bleed dwn. Estb injection rate. MIRU Halib. & pmp 10 gal pad fluid & follow w/cement. Press. to 1000 psi. SI csg. RD rig & equip 10 a.m.

8/26/97

SITP 0 psi. SICP 100 psi. 7:00 a.m. vent csg. Finish single dwn 2 7/8" prod. tbg & L.D. bottom hole equip. X/over to 2 3/8" tbg equip. Move in, count, tally 2 3/8" tbg. M.U. 5 1/2' Hydrow I pkr from Arrow Completion Systems & single in on 124 jnts 2 3/8" tbg. Break each collar while RIH to apply Teflon compound. N.D. & strip off BOPE & X/over flange. Install tbg flange. Establish circ dwn tbg up csg w/380 bbls treated wtr. Mix 1 drum scale inhib w/ 110 bbls wtr & pmp 100 bbls dwn tbg up csg. Drop STHD valve & displace tbg w/15 bbls treated wtr. Seating STHD valve in "F" nipple. Pick up on tbg & set pkr w/2000 psi. Press. to 2500 psi & hold 15 min. Lost 80 psi. Land tbg flange & H.U. Fill annular w/2 bbls & press. test to 1000 psi. Lost 0 psi in 5 min. Bleed off & make 1 swab run to lower tbg fluid level. Retrieve STHD valve. Press. up 1000 psi on annular & shut in. Install tbg. mstr vale & shut in 8 p.m.

Tubing Detail	K.B.	10.00
	X/o Swage 2 7/8 X 2 3/8 P x P	.80
	124 jnts 2 3/8" tbg	4027.82
	Pkr to Center element	3.85
	Up for compression	-1.35
	Pkr center element to EOH	4.63
	1-81 X 2 3/8" "F" nipple	.85
EOT		4046.60

8/25/97

Tubing on bad pump. SICP 450psi. 7a.m. Shut down pump unit. Hook casing to swab tank & bleed down while unseat pump & R.U. to flush rod string. Flush rod string with treated water. Single down prod. rods flushing periodically to clean. R.D. well head. Cross over to 2 7/8" tubing equipment, Rise, TAC. Strip on BOPE. Single down 25jnts. tubing pump down tubing 320bbls. @ 4 1/2 bpm. did not get well to circ. Single down tubing to TAC. SWIFN. 6:30p.m.

Form 3160-5
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposalsFORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUBMIT IN TRIPLICATE- Other Instructions on reverse side		5. Lease Serial No. 1420H623514
1. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other INJECTION		6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE
2. Name of Operator PETROGLYPH OPERATING COMPANY, CONTACT: MICHEAL SAFFORD COORDINATOR EMAIL: mikes@petroglyph.net		7. If Unit or CA Agreement, Name and No. 1420H624650
3a. Address P.O. BOX 607 ROOSEVELT, UT 84066	3b. Phone No. (include area code) TEL: 435.722.2531 EXT: FAX: 435.722.9145	8. Lease Name and Well No. UTE TRIBAL #19-03
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T5S R3W NENW 674FNL 2016FWL		9. API Well No. 4301331792
		10. Field and Pool, or Exploratory ANTELOPE CREEK
		11. County or Parish, State DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> WORKOVER OPERATION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give the subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of involved operations. If the operation results in multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A workover was performed on the above well on 4/25/2001.

the zone 4367-82' was reperforated and acidized with 1,800 gallons 15% HCL with additives. the zone commuicaed with 4325-30' with only 500 gallons left. The packer was moved and the final 500 gallons was pumped over both zones.

a copy of the workover report and EPA rework form is attached.

RECEIVED
APR 28 2001
DIVISION OF
OIL, GAS AND MINING

Name (Printed/Typed)	Title	
Signature	Date	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction		
ELECTRONIC SUBMISSION #4056 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR PETROGLYPH OPERATING COMPANY, SENT TO THE VERNAL FIELD OFFICE		

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460**EPA****WELL REWORK RECORD**

NAME AND ADDRESS OF PERMITTEE

Petroglyph Operating Company, Inc.
P.O. Box 1839
Hutchinson, KS 67504-1839

NAME AND ADDRESS OF CONTRACTOR

Ute Indian Tribe

LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT -- 640 ACRES

STATE

UT

COUNTY

Duchesne

PERMIT NUMBER

UT2736-04390

SURFACE LOCATION DESCRIPTION

NE 1/4 OF NW 1/4 OF 1/4 SECTION 19 TOWNSHIP 5S RANGE 3W

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 674 ft. from North Line of quarter section
and 2016 ft. from West Line of quarter section

WELL ACTIVITY

☐ Brine Disposal☒ Enhanced Recovery☐ Hydrocarbon Storage

Lease Name

Ute Tribal

Total Depth Before Rework

6037

Total Depth After Rework

6037

Date Rework Commenced

4/25/2001

Date Rework Completed

4/30/2001

TYPE OF PERMIT

☐ Individual☒ Area

Number of Wells 55

Well Number

Ute Tribal # 19-03

WELL CASING RECORD - BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
8 5/8"	427	235	Class G	4078	4084	10,478 gal gel; 61,900 proppant
				4186	4194	8,860 gal gel; 51,600 proppant
5 1/2	5533	95	Highfill +	4325	4330	7,700 gal gel; 42,200 proppant
		310	Thixotropic	4370	4378	8,849 gal gel; 54,000 proppant
				4479	4482	6,977 gal gel; 28,100 proppant
				4532	4536	
				4732	4736	

WELL CASING RECORD - AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
Same as above						Acidize 1800 gallons 15% HCL w/ additives; perform MIT test & put to Production

DESCRIBE REWORK OPERATIONS IN DETAIL
USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Log Types

Logged Intervals

Reperforate zone 4367-82', additional detail on page 2.

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

Micheal R. Safford
Operations Coordinator

SIGNATURE



DATE SIGNED

5/2/01

[illegible]



Petroglyph Energy, Inc.

P.O. Box 1839
Hutchinson, KS 675041839
(316) 665-8500

UTE TRIBAL 19-03 INJ

Completion Chronological Report

Page 1 of 1

Well Name : UTE TRIBAL 19-03 INJ

Well User ID : 1183

AFE # : 41941

Operator : PETROGLYPH OPERATING COMPANY

WI : 0

NRI : 0

Loc : STR : 19 -S5 - 3W

County : DUCHESNE, UT APICode : 4301331792

Field : ANTELOPE CREEK

Contractor :

AFE Type : Workover

Spud Date : 4/29/1997

Rig Rel Date :

Total Depth : 0 ft.

Comp Date : 6/3/1997

PBTD : 0 ft.

Job Purpose :

Completions Detail Report

Date : 4/25/2001

Activity : Perforate

Days On Completion : 1

Rpt Summary :

Report Detail : 06:00 to 07:00 - Travel - Crew travel.
07:00 to 09:00 - MIRU - Service unit and equipment.
09:00 to 10:00 - POOH - w/ tbg and pkr.
10:00 to 14:00 - GIH - RIH w/ scraper and Bp to 4620', POOH.
14:00 to 16:00 - Perforate - C5.2 4367-4377 psi, 4377' produced, 500' B due to tool failure.
16:00 to 17:00 - Travel - Crew travel.

Date : 4/26/2001

Activity : Acidize

Days On Completion : 2

Rpt Summary :

Report Detail : 06:00 to 07:00 - Travel - Crew travel.
07:00 to 12:00 - Acidize - Treat C6, C5.2 and C5 zones w/ acid, (C5.2 communicated w/ C5).
12:00 to 18:00 - Swab - Circulate and flow acid out. Isolate zones w/ tools and swab to PH of 7.
18:00 to 19:00 - Travel - Crew travel.

Date : 4/27/2001

Activity : Run Packer

Days On Completion : 3

Rpt Summary :

Report Detail : 06:00 to 07:00 - Travel - Crew travel.
07:00 to 10:00 - POOH - w/ Bp & Pkr.
10:00 to 13:00 - GIH - w/ arrowset-1 pkr and tbg. ND BOP displace csg w/ pkr fluid set tool in 14,000 tension and NU wellhead.
13:00 to 15:00 - RDMOL - Test csg to 1500 psi and RD.
15:00 to 16:00 - Travel - Crew travel.

Well Perforation History

(This shows only the perforations for this project or day)

Date	Formation	Perf Status	Upper Perf	Lower Perf	Sht / Ft	Description:
4/25/2001		Open	4367	4375	4	
4/25/2001		Open	4377	4382	4	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3514
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		8. WELL NAME and NUMBER: UTE TRIBAL 19-03
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0674 FNL 2016 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 19 Township: 05.0S Range: 03.0W Meridian: U		9. API NUMBER: 43013317920000
PHONE NUMBER: 208 685-7685 Ext		9. FIELD and POOL or WILDCAT: ANTELOPE CREEK
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/16/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 4/16/2014 Petroglyph Operating rigged up a coiled tubing unit on the well referenced above to acidize the well and improve the well's injection rates. The targeted treatment interval was 4,078'-4,536'. We ran in hole through the injection tubing, established an injection rate and slowly pulled back as we spotted acid over the referenced interval. We spotted 1,470 Gal of 15% Hcl, ran back in to the bottom of the interval and repeated spotting 975 Gal of Chlorine Dioxide, and ran back in again spotting in 1,470 Gal of 15% Hcl. The treatment was then flushed out into the formation with 4,216 Gallons of fresh water and the well was returned to injection.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 May 29, 2014

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 5/27/2014	